

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2005/008010

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61F5/01

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 938 207 A (VARGO ET AL) 3 July 1990 (1990-07-03) figures 1,4-7 column 3, line 15 - line 34 column 4, line 1 - line 7 column 4, line 26 - line 49	1,7, 11-13,21
X	DE 201 16 887 U1 (HEFELE, WILHELM JOSEPH) 28 February 2002 (2002-02-28) figure 1 page 1	1-6,9
X	US 2003/187375 A1 (GAYLORD ERIC LEE) 2 October 2003 (2003-10-02) figures 1,3,6 paragraph '0052!	1,3-6
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family.

Date of the actual completion of the international search

22 June 2005

Date of mailing of the international search report

05/07/2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 872 448 A (JOHNSON, JR. ET AL) 10 October 1989 (1989-10-10) figures 6,7 column 5, line 37 - line 59 -----	1,7
X	US 6 110 135 A (MADOW ET AL) 29 August 2000 (2000-08-29) figures 1,13-15 column 5, line 56 - column 6, line 22 -----	1,10

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2005/008010

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4938207	A	03-07-1990	NONE	
DE 20116887	U1	28-02-2002	NONE	
US 2003187375	A1	02-10-2003	CA 2423778 A1 US 2005070832 A1	29-09-2003 31-03-2005
US 4872448	A	10-10-1989	NONE	
US 6110135	A	29-08-2000	NONE	

# INTERNATIONAL SEARCH REPORT

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Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

An orthotic device is provided having a support member (22, 25) adapted to be secured to a body portion of a user and a resilient liner (46) connected to a side of the support member adjacent the body portion of the user. The support member can be malleable to conform to the user's body. The liner has a plurality of discrete liner segments (49), at least one adapted to conform to body of the user. The liner segments can be removably attached to the support member, and can be adjustable in shape and/or size. The liner segment can be a pair of individually adjustable segment portions to provide adjustable shape, and either of the portions can be inflatable to provide adjustable size. The liner segment can include an electrode portion (58) to impart therapeutic stimulation to an associated body portion and can include a micro-porous waterproof cover material contacting the body portion of the user.